

ZAKRIVIDOROHA, S.P. [Zakryvydoroha, S.P.]; ZAMANSKIY, L.N. [Zamans'ky, L.N.];
LOPUSHANSKIY, A.I. [Lopushans'kyi, A.I.]; NEVSKAYA, T.L.
[Nevs'ka, T.L.]; TARAKHOVSKIY, M.L. [Tarakhovs'kyi, M.L.]

Effect of bromine on the processes of exhaustion and recovery
of the body. Fiziol. zhur. [Ukr.] 8 no.3:319-326 My-Je '62.
(MIRA 15:6)

1. Kafedra farmakologii i biokhimii Chernovitskogo
meditsinskogo instituta.

(BROMINE--PHYSIOLOGICAL EFFECT)
(PHYSIOLOGY, EXPERIMENTAL)

DENISENKO, V.P.; LOPUSHANSKIY, A.I.

Synthesis of diquatarnary salts of N,N'-derivatives of hexamethylene-diamine. Part 2: Synthesis of new dichlorides of hexamethylene-1,6-bis-dimethylaminoalkyl acetates. Zhur.ob.khim. 32 no.3: 731-735 Mr '62. (MIRA 15:3)

1. Chernovitskiy meditsinskiy institut.
(Hexanediamine)

LOPUSHANSKIY, A.I.

Synthesis of diquaternary salts of N,N' derivatives of hexamethylenediamine. Part 3: Polarographic behavior of esters of hexamethylene-1,6-bisdimethylaminoacetic acid. Zhur.ob.khim. 32 no.9:3098-3105 S '62. (MIRA 15:9)

1. Chernovitskiy meditsinskiy institut.
(Acetic acid) (Hexanediamine)
(Ammonium compounds, Substituted)

LOPUSHANSKIY, A.I.; POKHMURSKAYA, M.V.

Polarographic study of hexamethylene-1,6-bis-dimethylamine.
Zhur.ob.khim. 32 no.10:3135-3137 0 '62. (MIRA 15:11)

1. Chernovitskiy meditsinskiy institut.
(Dimethylamine) (Polarography)

LOPUSHANSKIY, A.I.; DENISENKO, V.P.; POKHMURSKAYA, M.V.

Polarographic properties of diquaternary ammonium derivative
of ethylenediamine with activated C-N bonds. Zhur.ob.khim.
33-no.3:728-731 Mr '63. (MIRA 16:3)

1. Chernovitskiy meditsinskiy institut.
(Ammonium compounds) (Ethylenediamine) (Polarography)

LOPUSHANSKIY, A.I.; GORBAN', A.K.; UDOVITSKAYA, V.V.

Synthesis of quaternary ammonium derivatives of L-menthol. Izv.
AN SSSR. Otd.khim.nauk no.6:1141-1142 Je '63. (MIRA 16:7)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.
(Menthol) (Ammonium compounds)

LOPUSHANSKIY, A.I.; GORBAN', A.K.; UDOVITSKAYA, V.V.

Synthesis of biquaternary ammonium derivatives of decamethylenediamine. Izv. AN SSSR. Ser. khim. no.6:1106-1108 Je '64.
(MIRA 17:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

LOPUSHANSKIY, N., nauchn. red.; KOSTYUKOVETS, F.T., red.

[Problems in the economics of railroad transportation;
railroad track management] Voprosy ekonomiki ^{elezno-}
dorozhnogo transporta; putevoe khoziaistvo. Minsk,
Vysshaia shkola, 1964. 47 p. (MIRA 17:10)

LOPUSHANSKIY, P. I.

"Morphological and Physiological Characteristics of the Walnut
in the Bukovina." Cand Biol Sci, Chernovits State U, Min Higher
Education USSR, Chernovits, 1954. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions
(14)

MOLOTKOV'S'KIY, G.Kh.; LOPUSHANSKIY, P.I.; GOLUBIYEV, V.O.

Relation of polarity to the dynamics of formation and the distribution of ascorbic acid in the walnut. Bot.zhur. [Ukr.] 12
no.4:3-12 '55. (MIRA 9:3)

(Walnut) (Ascorbic acid)

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520C

LOPUSHANSKIY, P. I.

USSR/ Agriculture - Plant physiology

Card 1/1 Pub. 22 - 40/47

Authors : Lopushanskiy, P. I., and Molotovskiy, G. Kh.

Title : Respiration of metameric formations of walnut and the polarity phenomena

Periodical : Dok. AN SSSR 100/6, 1179-1182, Feb 21, 1955

Abstract : Investigation was conducted to determine the respiration intensity of a walnut (*Juglans regia* L) during various periods of leaf vegetation. Results obtained are described. Nine USSR references (1937-1953). Tables.

Institution : State University, Chernovtsy.

Presented by: Academician A. L. Kursanov, December 22, 1954

LOPUSHANSKIY, P.I.

✓ Appearance of polarity and distribution of ascorbic acid in the walnut plant. P. I. Lopushanskiy and G. Kh. Molotkovskii (State Univ., Cherdvitsy). *Doklady Akad. Nauk S.S.S.R.* 103, 727-6 (1965); *d. C.A.* 49, 10449b. — In young runners vitamin C distribution shows a rise from the bottom of the plant to the top; in older, lower shoots the vitamin C content rises toward the beginning of the main stem. In the roots vitamin C declines on approach to the top of the root. Over 2600 mg. % is found at the neck of the root. The bark of adult plant shows a similar distribution, but the bark on the northern side is richer in vitamin C than the southern. The upper part of each internode is richer in vitamin C than the lower end. The results are discussed in terms of polarity differences between plant parts.
G. M. Kosolapov

①

MOLOTKOV'S'KIY, G.Kh.; LOPUSHANS'KIY, P.I.; SOLDATOVA, M.A.

Growth dynamics of fruit and the formation of vitamin C and oil in
walnut fruit and leaves in connection with polarity. Ukr.bet.zhur.
13 no.1:56-62 '56. (MIRA 9:9)

1.Chernivets'kiy derzhavniy universitet, Kafedra fiziologii reslin.
(Walnut)

LOPUSHANSKIY, P. I.

I-1

USSR/Physiology of Plants. General Problems.

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1102.

Authors : Lopushanskiy, P.I., Molotkovs'kiy, G. Kh.

Inst : Chernovtsy University

Title : Materials on the Physiology of the Walnut.

Orig Pub: Nauk zap. Chernivets'k. un-t, 1956, 23, 17-93.

Abstract: The shortness of the day has permitted a quickening of the processes of preparing the walnut seedling for wintering. A direct relationship has been discovered between the ascorbic acid content and the plant's resistance to winter. The black walnut, the most resistant under Chernovtsy conditions, is characterized by the highest content of this acid. Emphasized is the presence of a correlational connection between the formation of fruits in the spring and summer flowerings. It is supposed that the formation of fruits can be assisted

-1-

Card : 1/2

I-1

USSR/Physiology of Plants. General Problems.

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1102.

by a secondary flowering at the expense of the spring one. Intensive growth of the fruit has been accompanied by an increase in the ascorbic acid content and the acidation reduction [okislitel'no-vosstano-vitel'nyy potentsial] potential. When the fat producing process was intensified, a sharp reduction was noted in the oxidation reduction potential as well as a lowering of the ascorbic acid content and the intensity of respiration. Differences were discovered in the respiration intensity and the content of ascorbic acid, chlorophyll, water, and dry substances on opposite sides of the stalk and its [the stalk's] metamerical formations - differences conditioned by qualitative variations in the structures studied. The authors consider that distinctions in metabolism on opposite and phasally non-equivalent parts of the plants and their organs, in close interrelationship with the conditions of the medium, create contradictory polar relations. Bibliography of 165 titles.

Card : 2/2

-2-

LOPUSHANSKIY, P. I.

Phenomenon of polarity and dynamics of fat accumulation and vitamin C in the upper part of walnut. P. I. Lopushanskiy and G. Kh. Molochkovskiy. *Byull. Mosk. Odesk. univ. Ser. Prirod. Nauk*, 1956, No. 1, 61-7. (1956).—Vitamin C is most plentiful in the middle of the nut and in the green nut covering, the content declines with ripening. Fat accumulation begins only after the nuts acquire their final size and continues through the ripening period. As fat accumulates, ascorbic acid declines. The inner parts of the plant foliage gave the lowest content of ascorbic acid, the highest content being found in those parts facing north. In early spring the nut coverings contain more ascorbic acid in specimens near the bottom of the plant, while in mid-summer the upper nuts are richest. Leaves contain less vitamin C than the nut coverings, but the general trend of its distribution parallels the one found above in the nuts. G. M. Kosolapov.

COUNTRY : USSR . I
 CATEGORY : Plant Physiology. Water Regimen.
 ABS. JOUR. : RZhBiol., No. 6 1959, No. 24564
 AUTHOR : Lopushanskiy, P.I.; Molotkovskiy, G. Kh.
 INST. : Academy of Sciences, USSR
 TITLE : The Content of Water and Dry Material in Metameres
 of Walnut In Connection With the Phenomenon of
 Polarity
 ORIG. PUB. : V sb.: Pamyati akad. N.A. Maksimova, 1957, 145-150
 ABSTRACT : Water content in the stem and root of seedlings
 and mature trees and in young shoots of Juglans
 regia increases from the base to the top. In
 leaves along the crest of a tree or of young shoots,
 water content drops from the base to the top. From
 internode to internode, water content increases
 intermittently. The work was carried out at the
 Chernovitskiy Institute. Bibliography of 14 titles.
 P. I. Lopushanskiy.

CARD: 1/I

LOPUSHANSKIY, P.I.
MOLOTKOVSKIY, G.Kh.; ZAMANSKIY, L.N.; ~~LOPUSHANSKIY, P.I.~~; LOPUSHANSKIY, A.I.

Distribution of radioactive phosphorus (P^{32}) in some plants as related to the phenomenon of polarity [with summary in English]. Fiziol. rast. 5 no.1:37-41 Ja-F '58. (MIRA 11:1)

1. Chernovitskiy gosudarstvennyy universitet.
(Phosphorus--Isotopes) (Polarity (Biology)) (Minerals in plants)

LOPUSHANSKIY, V.I.

Use of vitamins B₁ and B₁₂ on patients with atherosclerosis
under polyclinical conditions. Vrach. delo no.7:149-150 J1'63.
(MIRA 16:10)

1. Ternopol'skaya gorodskaya bol'nitsa.
(ARTERIOSCLEROSIS) (THIAMINE) (CYANOCOBALAMIN)

LOPUSHANSKIY, V.K.

KUKIN, Nikolay Nikolayevich; GUKHTMAN, Mikhail Yakovlevich; LOPUSHANSKIY, V.K.

[Sketch of the development of the public health service in Moldavia]
Ocherk razvitiia zdavookhraneniia v Moldavii. Kishinev, Gos. izd-vo
Moldavii, 1956. 76 p.
(MOLDAVIA--PUBLIC HEALTH)

(MLRA 10:3)

LOPUSHANSKIY, V.Ye.; KAPLUNOV, R.P., prof., otv. red.; YEROKHIN, G.M.,
red. izd-va; LOMILINA, L.N., tekhn. red.

[Safety engineering in underground mining of ore deposits]
Tekhnika bezopasnosti pri razrabotke rudnykh mestorozhdenii
podzemnym sposobom. Moskva, Gos. nauchno-tekhn. izd-vo lit-
ry po gornomu delu, 1961. 115 p. (MIRA 15:4)
(Mining engineering--Safety measures)

LOPUSHANSKIY, Vladimir Yefimovich

[Safety in underground ore mining] Tekhnika bezopasno-
sti pri razrabot' rudnykh mestorozhdenii podzemnykh
spособom. Izd. 2. Moskva, Nedra, 1965. 150 p.
(MIRA 18:9)

17 (15)

SOV/21-59-6-25/27

AUTHOR: Lopushenko, O. Z.

TITLE: Vascularization of the Rabbit Abdominal Aortal Paraganglion

PERIODICAL: Dopovidi Akademii Nauk Ukrain's'koi RSR, 1959, Nr 6,
pp 678 - 682 (USSR)

ABSTRACT: The author describes the location and functions of the ventral aortal paraganglion in the rabbit, on the basis of his personal study, and falling back on what he himself had learned about the subject matter from the works of authors mentioned in the reference block, whom he enumerates again in the text, supplementing the list by the name of V. M. Tonkov. The author injected the paraganglion arteries with Techmann-Tikhanov mass and sevanite (artificial caoutchouk), the veins with sevanite. After this the posterior abdominal was treated with a 3% potassium bichromate solution and fixed in a 5% solution of formalin. The source of blood supply and the venous outflow are described. There are 2 drawings and 8 references, 6 of which are Soviet and 2 German.

Card 1/2

SOV/21-59-6-25/27

Vascularization of the Rabbit Abdominal Aortal Paraganglion

ASSOCIATION: Kiyevskiy meditsinskiy institut imeni akademika O. O.
Bogomol'tsa (Kiyevskiy Medical Institute imeni Academician
O. O. Bogomolets)

PRESENTED: By V. H. Kas'yanenko, (V.G. Kas'yanenko) Member, AS UkrSSR

SUBMITTED: January 30, 1959

Card 2/2

LOPUSHENKO, O.Z.

Blood supply of the abdominal aortal paraganglion in man.
Dop.AN URSR no.5:683-687 '61. (MIRA 14:6)

1. Kiyevskiy meditsinskiy institut. Predstavleno akademikom
AN USSR V.G. Kas'yanenko [Kas'ianenko, V.H.].
(NERVOUS SYSTEM, SYMPATHETIC—BLOOD SUPPLY)

OKNINA, Valentina Aleksandrovna ; MARKOVA, G.A., red.; LOPUSHIKHINA, L.M.,
red.; FEYGEL', L.V., red.; KOGAN, V.V., tekhn. red.

[Methods of chemical analysis of phosphatic ores] Metody khimiche-
skogo analiza fosfatnykh rud. Pod red. G.A.Markovoi. Moskva,
Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1961. 142 p.

(MIRA 14:8)

(Apatite--Analysis) (Phosphates--Analysis)

LOPUSHINSKAYA, V.M.; ISHCHENKO, G.T.; VOLKOVA, A.I.; SAMYSHKIN, M.S.

Immediate results of the treatment of a sarcoma of the vagina in
dogs with the use of betatron. Med.rad. 5 no.7:22-25 '60.

(VAGINA--TUMORS)

(RADIOTHERAPY)

(MIRA 13:12)

LOPUSHNYAK, I.D., inzhener.

~~TOP SECRET - COMINT~~

Protecting a generator with closed neutral grounding from short-circuiting
to ground. Elek.sta. 25 no.3:57 Mr '54. (MLRA 7:6)
(Dynamos)

LOPUSHNIAK, I.D.

RYBAK, Kh.A., inzhener.

Remarks on I.D.Lopushniak's article "Grounding protection of a generator with a dead-end grounded neutral." Kh.A.Rybak. Elek. sta. 25 no.10:56 0 '54. (MIRA 7:11)
(Dynamos) (Electric currents--Grounding) (Lopushniak, I.D.)

LOPUSHNYAK, I. D.

Subject : USSR/Electricity AID P - 1535
Card 1/1 Pub. 26 - 31/36
Authors : Editors
Title : Comments about the article of Eng. I. D. Lopushnyak
and remarks thereon by Eng. Kh. A. Rybak
(Elek. sta., 1954, Nos. 3 & 10)
Periodical : Elek. sta., 3, 59, Mr 1955
Abstract : The comments concern the article "Protection against
short-circuiting of generators with solidly grounded
neutral". The author of the article sent to the
editors his explanations in reply to the remarks of
Kh. A. Rybak.
Institution: None
Submitted : No date

TARASENKO, N.D.; BERDYSHEV, G.D.; LOPUSHONOK, V.Yu.

Free radicals in irradiated seed potatoes with different storage time. Biofizika 10 no.5:893-895 '65.

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR. (MIRA 18:10)
Novosibirsk.

COUNTRY : Poland
CATEGORY : Forestry. Forest Cultures. K
ABS. JOUR. : RZhBiol., No. 4, 1959, No. 15510
AUTHOR : Lopuski, Szeslaw
INST. :
TITLE : Cultivation of the Boule in France.

ORIG. PUB. : Las polski, 1957, 31, No.13, 18-21
ABSTRACT : A description is given of the technique for
the cultivation of conifer cultures by grafts
prepared from young trees in a larval phase -
method.

CARD:

1/1

LOPUSKI, Jan, dr

Liability of the shipmaster and the shipowner for
accidents to members of the crew due to defective stowage.
Techn gosp morska 14 no. 6:172-174 Je '64.

LOPUSKI, Jan, adw., dr. (Gdynia)

Charter, Time. Techn gosp morska 12 no.2:48-49 '62.

HUGET, M.; LOPUSKI, J., dr (Gdynia)

Role and tasks of the average agents and dispatching offices.
Tech gosp morska 12 no.10:296-298 0 '62.

LOPUSKI, Jan, dr (Gdynia)

Reliability of the pilot and his employing organization. Tech
gosp morska 15 no.3:100-101 Mr '65.

LOPUSZANSKI, A., Mgr., ins.

Hull fracture of the tanker Kasprowy. Tech.gosp.morska 10 no.1:13-14
Ja '60. (KRAI 9:4)

1. Stocznia Remontowa (Gdansk).
(Poland--Tankers)

(Poland--Marine accidents)

LOPUSZANSKI, Antoni, mgr. inż.

Fractured castings repaired by using the "Metalock" method.
Bud okretowe Warszawa 7 no.7:232-237 J1 '62.

1. Gdanska Stocznia Remontowa, Gdansk.

CA

Solution of Thomas-Fermi equation for molecules with axial symmetry. Jan. Lipmanzaki (Univ. Wrocław). *Acta Phys. Polon.* 18, 315-22 (1960) (in English).—Analytical solutions are derived for distances very large or very small compared with those between the nuclei. These solutions are combined in the intermediate region by a polynomial interpolation, which allows a detn. of consts. in the far solution from the boundary conditions. Calcs. are made for mole. consisting of 2 identical atoms.

M. D. Peterson

LOFUSEANSKI, J.

"The Derivation of Vlasov's Equation from Fock's Equation." p. 196, (ACTA PHYSICA POLONICA, Vol. 11, no. 2, 1951, Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954, Uncl.

Lopuszanski J. Distributions and statistical moments of
bosons and fermions with some of their applications
Acta Phys. Polonica 11, 298-313, 1953.

In the first nine pages the author derives, using generating functions, various formulae for probabilities connected with the random placement of N balls into n cells, the balls are either distinguishable or indistinguishable, and the random distributions may be subjected to conditions such as excluding multiple placements. In the second part the author surveys various special cases which have been treated recently in the physical literature and applies some formulae to the theory of photographic plates. [Most of the formulae attributed to modern physicists are classical and can be

found in W. A. Whitworth, Chance and Chance, 5th ed.
Deighton Bell, Cambridge, 1901; reprinted 1942 by C. F.
Stechert, New York.] [W. Feller, Princeton, N. J.]

Mathematical Reviews.
May 1954
Mathematical physics

ŁOPUSZANSKI, Jan.

Mathematical Reviews
Vol. 15 No. 3
March 1954
Analysis

Łopuszański, Jan. Relativisierung der Theorie der stochastischen Prozesse. Acta Phys. Polonica 12, 87-99 (1953). (Russian summary)

It has often been remarked that the assumptions underlying the diffusion equation require infinite velocities. [This, of course, is not true of the refined Uhlenbeck-Ornstein model which considers the process in the phase space.] In relativity one should require that a transition from x to y is possible only if $|x - y| < ct$. The author discusses formally how the Chapman-Kolmogorov identity can be written invariantly. However, when it comes to the diffusion equation his simple conclusion seems to be that the covariance tensor must be zero, that is, that the diffusion equation must reduce to the deterministic limiting form (in the case of one dimension to $u_t = au_x$). This, of course, does not contradict relativity but amounts to an abolition rather than a relativization of diffusion processes. *W. Feller.*

Lopuszanski, J.

409 - Rm

4718

SOME REMARKS ON THE ASYMPTOTIC BEHAVIOUR OF
THE COSMIC RAY CASCADE FOR LARGE DEPTH OF THE
ABSORBER. II. ASYMPTOTIC BEHAVIOUR OF THE
PROBABILITY DISTRIBUTION FUNCTION. J. Lopuszanski
(Polish Academy of Sciences, Wrocław). Nuovo Cimento
(10) 2, Suppl. No. 4, 1160-66 (1955)

A mathematical treatment of the probability function of
nuclear cascades in homogeneous matter is given. (D 1 B)

Rm

Lopuszanski, J.

4001-Emt

4710
SOME REMARKS ON THE ASYMPTOTIC BEHAVIOUR OF
THE COSMIC RAY CASCADE FOR LARGE DEPTH OF THE
ABSORBER. III. EVALUATION OF THE DISTRIBUTION
FUNCTION. J. Lopuszanski (Polish Academy of Science
Wroclaw), Nuovo Cim (10) 2, Suppl. No. 4, 1161-7
(1955).

Formulas for numerical computations of the cascade
distribution function are derived and their applicability
discussed (D.E.D.)

Emt

LOPUSZANSKI, J.

The solution of the G-equation of Janossy with ionization loss.
In English. p. 251

ACTA PHYSICA POLONICA vol. 14, no. 3, 1955

Warszawa, Poland

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Oct. 1956

LOPUSZANSKI, J.

The asymptotic behavior of the probability distribution function
of cosmic cascades. In English. . . 265

ACTA PHYSICA POLONICA vol. 14, no. 3, 1959

Warszawa, Poland

SO. EAST EUROPEAN ACCESSIONS LIST

vol. 5, no. 10

Oct. 1956

LOPUZANSKI, J.

Lopuszanski, J. Evaluation of the probability distribution function of cosmic cascades for large depth of the absorber. In English. p. 269.

ACTA PHYSICA POLONICA

Vol. 14, No. 3, 1955

Warszawa, Poland

SO: Monthly List of East European Accessions, (EEAL), 10, Vol. 5, No. 10 Oct. 56

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520

diff

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520C

POLAND/Atomic and Molecular Physics - Statistical Physics
Thermodynamics.

D

Abs Jour : Ref Zhur Fizika, No 10, 1959, 22373

Author : Lopuszanski, Jan

Inst : Institute of Theoretical Physics, Polish Academy of
Sciences, Wroclaw, Poland

Title : On the Modification of the Feynman's "Integral Over All
Paths" Method

Orig Pub : Acta phys. polon., 1958, 17, No 2-3, 117-136

Abstract : The solution of an equation of the diffusion type is
written in the form of an integral over all paths. The
summation is carried out in two steps: first one cal-
culates the number of paths of an identical contribution,
and the sum over all possible contributions is then ta-

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520

Card 1/2

POLAND/Atomic and Molecular Physics - Statistical Physics
Thermodynamics.

D

Abs Jour : Ref Zhur Fizika, No 10, 1959, 22373

calculating the number of paths that give an identical contribution, for the case when each path can be broken up into an infinitely large number of elementary transitions. As a result, the formula that determines the solution of the equation of the diffusion type (infinitely multiple sum) becomes somewhat simpler. See also Referat Zhur Fizika, 1959, No 1, 179. -- G.V. Ryazanov

Card 2/2

LOPUSZANSKI, J. ✓

SURNAME (in caps); Given Names

Country: Poland

Academic Degrees: Not stated

Affiliation: Institute of Theoretical Physics, Wrocław University
(Instytut Fizyki Teoretycznej, Uniwersytet Wrocławski) ✓

Source: Warsaw, Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Techniques, Vol 9, No 3, Mar 61, pp 185-189.

Data: "Functional Formulation of the Theory of Reliability."

Co-author:

✓ RZEWUSKI, J., Academic degree not stated, Institute of
Physics, Wrocław, Polish Academy of Sciences (Instytut
Fizyki, Wrocław, PAN)

LOPUSZANSKI, J.; RZEWUSKI, J.

Functional formulation of the theory of reliability. Archiw
elektrotech 11 no.2:271-284 '62.

1. Instytut Fizyki Teoretycznej, Uniwersytet, Wrocław, i Instytut
Fizyki, Polska Akademia Nauk, Wrocław.

LOPUSZANSKI, J.; RZEWUSKI, J.

Functional formulation of the theory of reliability. Bul Ac Pol
tech 9 no.3:185-189 '61.

1. Institute of Theoretical Physics, University, Wroclaw Institute of
Physics, Wroclaw Branch, Polish Academy of Sciences. Presented by
J. Groszkowski.

LOPUSZANSKI, Jan T.

On the functional formalism of the S-matrix. Acta physica Pol.
24 no.1:23-29 J1*63

1. University, Wroclaw, and Polish Academy of Sciences, Institute of Physics, Wroclaw.

LOPUSZANSKI, Jan

A combinatorial problem related to the theory of cosmic radiation. *Matem fizyka astronom* Wroclaw 3:103-111 '62.

Transition amplitudes used in the theory of the "Integral over all paths" of Feynman. *Ibid.*:113-124

1. Institute of Theoretical Physics, University, Wroclaw.

POLAND

LOPUSZANSKI, Jan

1. Institute of Theoretical Physics, Univ. of Wroclaw
(Instytut Fizyki Teoretycznej Uniwersytetu Wroclaw-
skiego); 2. Dept. of Theoretical Physics, Institute
of Physics, Polish Academy of Sciences (Zaklad
Fizyki Teoretycznej Instytutu Fizyki PAN)

Crakow, Postepy fizyki, No 4, Jul-Aug 1965, pp 483-503

"Some current problems of the quantum theory of
fields."

LOPUSKI, J., dr (Gdynia)

Due diligence of the carrier. Tech gosp morska 14 no.2:
42-43 F '64.

LOPUTSKO, Sergey Yakovlevich, brigadir montazhnik; YARTSEV, N., red.;
PAVLOVA, S., tekhn.red.

[Brigade assembles a house] Brigade sobiraet dom. Moskva,
Mosk. rabochii, 1961. 49 p. (MIRA 15:2)
(Precast concrete construction)

~~LOPYREV, Aleksandr Alekseyevich~~; TSVITOV, Ivan Ignat'yevich; BELOSTOTSKIY,
I.A., redaktor; OTOCHEVA, M.A., redaktor; KONYASHINA, A., tekhnicheskii redaktor.

[Manual for trolley car operators] Uchebnoe posobie dlia voditelei
tramvaia. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva
RSFSR, 1955.267 p. (MIRA 9:4)
(Street railways)

LOPYREV, N.

Der Arbeiterklub. Berlin, Tribune, 1952.
Translated by Kurt Bittenbinder from the Russian, "Rabochiyklub", Moscow, 1950.
Added T. P. in Russian.

N/5
114.73
.L8

ЛОПЫРЕВ, Л.

Method of determining speed and traction characteristics of self-propelled vessels as suggested by Professor V.V.Zvonkov. Mor. i rech. flot 14 no.12:12-14 D '54. (MLRA 8:1)
(Ships)

LOPYREV, N., kand. tekhn. nauk

Present state of the modernization of the ship repairing industry.
Rech. transp. 21 no.8:21-23 Ag '62. (MIRA 18:9)

1. Zaveduyushchiy kafedroy Leningradskogo instituta inzhenerov
vodnogo transporta.

LOPYREV, N.K., kandidat tekhnicheskikh nauk.

Use of automobile and tractor units on ships of the river fleet.
Rech. transp. 16 no.3:21-26 Nr '57. (MLRA 10:4)
(Diesel engines)

LOPYREV, Nikolay Kirillovich; GOLOVANOV, N.V., red.; VOLCHOK, K.M.,
tekhn.red.

[Ultrasonic prevention of scale formation in marine steam
boilers] Ul'trazvukovoe predotvrashchenie obrazovaniia
nakipi v sudovykh parovykh kotlakh. Leningrad, Izd-vo
"Rechnoi transport," 1958. 25 p. (MIRA 13:2)
(Boilers, Marine--Incrustations)

SOV/94-58-9-1/30

AUTHOR: Lopyrev, N.K. (Cand. Tech. Sci.)

TITLE: The use of ultrasonics to prevent deposit (scale) formation
(Primeneniye ul'trazvuka dlya predotvrashcheniya nakipeobrazovaniya)

PERIODICAL: Promyshlennaya Energetika, 1958, No.9. pp. 1-8 (USSR)

ABSTRACT: A brief description of ultrasonics is first given. The action of ultrasonic waves on the process of crystallisation was first described by corresponding member Acad. Sci. of the USSR, S.Ya. Sokolov in 1935. Thereafter work was done under the guidance of V.I. Danilov, A.F. Kapustin and other authors to elucidate the influence of ultrasonics on the kinetics of crystallisation of various substances. We investigated the influence of vibration on the crystallisation of metals. The work is continuing in a number of Soviet and foreign research institutes. Ultrasonic waves affect crystallisation because of the friction forces that are set up between the solution and the crystals being precipitated and also because of gas bubbles formed by cavitation effects. If the gas bubbles are of the right size resonance effects occur which also tend to make the crystals small. From this follows the idea of applying ultrasonic waves to disturb the process of crystallisation of scale deposits in boilers. In addition the ultrasonic waves should detach scale deposits from metal surfaces. The usual methods of generating ultrasonic waves are then described.

Card 1/3 A magnetostriction ultrasonic generator that has been used in boilers

The use of ultrasonics to prevent deposit (scale) formation. SOV/91-58-9-1/30

is illustrated schematically in Fig.1. This particular specimen is made of nickel, but other materials that can be used are described. The methods of determining the length of the tube and the frequency and amplitude of vibration are given. An impulse generator is used to produce the electric supply of ultrasonic frequency. A schematic circuit diagram of the pulse generator is given in Fig.2., its operation is explained, and an oscillogram of the electrical supply and the vibrations in the liquid is given in Fig.3. Calculations of the impulse and sonic power are given. The use of a gas discharge valve as a switching device in the impulse generator is explained. A circuit diagram of generator type IG-8 is given in Fig.4. and the principles of operation are explained. The characteristics of this generator are as follows: ultrasonic frequency, 15 kc/s; impulse frequency, up to 20 cycles per second; industrial frequency power consumption, 50 W and weight 9.5 kg. A photograph of the instrument is given in Fig.5. Preliminary tests were made in the laboratory in which ultrasonic vibrations were applied to heated salt solutions. The rate of deposit formation was lower than in the absence of ultrasonic waves and the scale was broken off before reaching a thickness of 4 mm. An ultrasonic generator was then tried on one of a pair of identical boilers. The boiler heating surface was 130 m², the steam pressure 12 atm and the boilers burnt fuel oil. As there were no spare connections to the boiler the ultrasonic generator was

Card 2/3

The use of ultrasonics to prevent deposit (scale) formation. SOV/94-58-9-1/30

applied to the point of connection of the water level gauge as shown in Fig.6. It is necessary to keep the vibrator cool or the effect is much reduced, the cable from the generator to the vibrator must not be too long. In the early stages the vibrator became filled with sludge and a method of cleaning it had to be provided. When the boiler had been working for some time with the ultrasonic generator in service it was opened for examination. There were no traces of old scale on about 70% of the heating surfaces, and scale up to 3mm thick that remained on some surfaces was friable. In the bottom of the boiler, in addition to the usual sludge there was a large quantity of lumps of scale that had been removed from the heating surfaces. The commission decided that mechanical cleaning of the heating surfaces was unnecessary. These results have since been confirmed on another boiler. Work on the subject continues. There are 6 figures.

1. Crystallization--Ultrasonic factors
2. Metals--Ultrasonic factors
3. Ultrasonic radiation--Propagation
4. Ultrasonic radiation--Applications

Card 3/3

GUSEV, Mikhail Nikolayevich, prepodavatel'; ZILIST, Petr Sigismundovich, prepodavatel'; LEV, Yevgeniy Semenovich, prepodavatel'; LOFYREV, Nikolay Kirillovich, prepodavatel'; MARDENSKIY, Vladimir Prokop'yevich, prepodavatel'; NEMKOV, Petr Petrovich, prepodavatel'; NIKITIN, Gennadiy Mikhaylovich, prepodavatel'; SHELUCHENKO, V.M., dotsent, kand.tekhn.nauk, retsenzent; BELOV, N.M., inzh., retsenzent; GOLOVANOV, N.V., red.; VOLCHOK, K.M., tekhn.red.

[Technology of marine engineering and ship repairs] Tekhnologiya sudovogo mashinostroyeniya i sudoremonta. Pod obshchei red. M.N. Guseva. Leningrad, Izd-vo "Rechnoi transport," Leningr.otd-nie. Pt.2. [Technology of ship repairs] Tekhnologiya sudoremonta. (MIRA 13:4) 1960. 470 p.

1. Kafedra tekhnologii sudostroyeniya i sudoremonta Leningradskogo instituta vodnogo transporta (for Gusev, Zilist, Lev, Lopyrev, Mardenskiy, Nemkov, Nikitin).
(Ships--Maintenance and repair)

LOPYREV, N.K.

Mechanization level indices in founding. Lit.proizv. no.2:42
F '62. (MIRA 14:2)
(Foundries--Equipment and supplies)

LOPYREV, N.K., kand.tekhn.nauk, dotsent; SHEVALDISHEV, L.G., inzh.

Effect of ultrasonic waves on the process of scale formation
in steam boilers. Trudy LIVT no.6:54-60 '60. (MIRA 15:3)
(Boilers--Incrustations)
(Ultrasonic waves--Industrial applications)

LOPYREV, Nikolay Kirillovich; BUDARINA, V., red.; LAPIDUS, L.,
mlad. red.

[Development of the theory of labor productivity] Razvitie
teorii proizvoditel'nosti truda. Moskva, Mysl', 1965. 191 p.
(MIRA 18:9)

AVRUKOV, S.K.; ANIKIN, V.I.; BRAVO-ZHIVOTOVSKIY, D.M.; GAPONOV, A.V.; GRUKHOVA,
M.T.; YERGAPOV, V.S.; LOPTREV, V.A.; MILLER, M.A.; FLYAGIN, V.A.

Diode oscillator noise source in the three-centimeter band. Radiotekh.
i elektronika no.6:758-771 Je '56. (MIRA 10:1)
(Oscillators, Electron-tube--Noise)
(Wave guides)

LOPYREV, S. (selo Istobnoye Lipetskoy oblasti)

Use of the Gall chain in wind-driven generators. Radio no.7:28
Jl '60. (MIRA 13:7)

(Electric generators) (Windmills)

LOPYREV, V.A.; NIKOLAYEV, L.V.

Micaceous window for dismountable vacuum instruments.
Prib. i tekhn. eksp. 6 no. 4: 163-164 J1-Ag '61. (MIRA 14:9)

1. Nauchno-issledovatel'skiy radiofizicheskiy institut pri
Gor'kovskom gosudarstvennom universitete.
(Vacuum apparatus)

LOPYRIN, A. I. and N. V. Loginova, co-authors

"Problem of Bringing About Complete Rutting in Sheep during Summer"

SOURCE: Doklady Vsesoyuz Akad. s-x nauk im. Lenina, No 8 1948, pp 42-43
(Reports of the All-Union Acad of Agric Sci Im Lenin)
1948 Letopsis Zhurnal Statey No 36

LOPYRIN, A. I. and N. V. Loginova, co-authors

"The Possibility of Regulating the Quantity of Offspring by SZhK Injections"

SOURCE: Sbornik Nauch. Rabot (Vsesoyuz. nauch. -issled. in-t ovtsevodstva i kozovodstva)
((Collection of Sci. Work (All-Union Sci Res Inst of Sheep & Goat Breeding))
No 17, 1948, pp 232-244.

LOPYRIN, A. I. and N. V. Loginova, co-authors

"Theoretical Fundamentals of Hormone Stimulation of Rutting in Sheep during Summer"

SOURCE: Svornik Nauch. Rabot (Vsesoyuz. nauch. -issled. in-t ovtsevodstva i kozovodstva)
((Collection of Sci Work (All-Union Sci Res Inst of Sheep & Goat Breeding))
No 17, 1948, pp 245-260. - Bibliogr. 8 items; as Item 10768 in 1949 Letopis
Zhurnal Statey No 15

LOPYRIN, A. I. and N. V. Loginova, coauthors

"Fertility of Sheep during Various Periods of Impregnation"

SOURCE: Sov. Zootekhnika, No 5, 1949, pp 50-59, with Bibliogr. 12 items; as item
29791 in 1949 Letopis Zhurnal Statay No 40

LOPYRIN, A. I.

PA 19612

USSR/Biology - Genetics
Breeding of Sheep

Nov 51

"Effect of Changed Conditions of Embryogenesis on the Growth and Development of Lambs," A. I. Lopyrin, Cand Agr Sci, N. V. Loginova, Cand Biol Sci, P. I. Karpov, All-Union Sci Res Inst of Sheep and Goat Breeding

"Sov Zootekh" Vol VI, No 11, pp 83-95

Describes expts on transplanting 24-hr-old sheep fetuses into sheep of a different strain. Results varied with the strains involved, but heightened vitality of the lambs was generally achieved together with some modifications of the

19612

USSR/Biology - Genetics (Contd)

Nov 51

character of the wool covering in particular cases. Transplantations of sheep fetuses into goats were unsuccessful. Reviews some USSR work on vegetative hybridization of animals. Mentions Mikulina's finding in expts on rabbits to the effect that the stock is improved when the males receive alk nutritional components while the females are fed acidic components.

19612

1. LOFVRIN, A.; LAGINOVA, M.
2. USSR (600)
4. Sheep Breeding
7. Methods for increasing multiple births in sheep. Kolkh. proizv. 12, No. 10, 1952.
9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

LOGINOVA, N.V., LOPYRIN, A. I.

Sheep - Diseases

Valuable manual for sheep breeders ("Communicable and infectious diseases of sheep and goats." Reviewed by N. V. Loginova, A. I. Lopyrin), Veterinariia, 29, No. 8, 1952

Monthly List of Russian Accessions, Library of Congress October 1952 Unclassified

LOPYRIN, A.I., LOGINOVA, N.V.

Problems of remote hybridization of animals. Usp. sovrem.
biol. 36 no.2:227-235 Sept-Oct 1953. (CML 25:5)

1. Stavropol'.

LOPYRIE, A.I.; LOGINOVA, N.V. (Stavropol')

Theory and practice of fertilization with mixed semen: Usp.sovr.
biol. 39 no.2:212-227 Apr '55. (MLRA 8:7)

(INSEMINATION, ARTIFICIAL,
mixed semen, in animals)

(SEMIN,
mixed semen in artif. insemination in animals)

LOPYTIN, A. I.

USSR/Farm Animals. Small Horned Stock.

Q

Abstr Jour: Ref Zhur-Biol., No 20, 1958, 92608.

Author : Lopytin, A.I., Loginova, H.V.

Inst : All-Union Scientific Research Institute for Sheep and
Goat Breeding.

Title : The Unity of the Inhibiting and Stimulating Corpus
Luteum Hormone in the Sexual Cycle of Sheep.

Orig Pub: Byul. nauchno-tekhn. inform. Vses. n.-i. in-t ovtsevodstva.
i kozovodstva, 1956, (1957), No 3 (25), 185-189.

Abstract: The removal of the functioning ovaries in sheep within
10-20 hours after ovulation delayed the advent of sub-
sequent rut by several days. When the ovaries were
removed 2-7 days after ovulation, heat occurred in two
days after the operation, i.e. in 4-9 days after the
preceding rut. Only 2 (8.7%) of the 23 inseminated

Card : 1/2

USSR/Farm Animals. Small Horned Stock.

Q

Abs Jour: Ref Zhur-Biol., No 29, 1958, 92608.

sheep lambled. The others reentered the state of rut in 16 - 17 days. Experiments were made with the artificial retention of the fecundated egg in various sections of the sexual tract for the purpose of explaining this phenomenon. It turned out that the zygote does not live longer than 5 days in the oviduct, and from 6 to 11 days in the horn of the uterus, although its development is halted. The authors explain the lack of conception in ewes which have gone to rut after the removal of the functioning corpus luteum as a functional "slip up" in the nervous processes of the central nervous system as a result of the exclusion of progesterone, due to which the birth canal does not operate suitably for even the shortest while. -- V.V. Polovtsova.

Card : 2/2

71

LOPYRIN, A.I.
LOGINOVA, E.V.; LOPYRIN, A.I. (Sevrapol' na Kavkaze)

Neurohumoral regulation of sexual reflexes and methods of controlled
transformation of the process of reproduction in sheep. Usp.sovr.
biol. 42 no.3:356-371 N-D '56. (MIRA 10:1)
(HORMONES, SEX) (SHEEP) (NERVOUS SYSTEM)

) USSR / General Biology. Individual Development.
Transplantation and Symphysis.

B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14402

Author : Lopyrin, A. I.; Loginova, N. V.; Karpov, P. L.

Inst : Not given

Title : The Acclimatization and Development of
Embryos in Ewes After Homoplastic Trans-
plantation

Orig Pub : Vestn. s.-kh. nauk, 1957, No 1, 53-62

Abstract : In ewes the oviduct was removed 1-2 days
after fertilization of the ovum and zygotes
were introduced into the oviduct of
recipients of another breed. Twenty-nine
transplanted zygotes took root. Only 3 lambs
were found to be able to survive. The ex-
perimental lambs developed more intensively

Card 1/2

USSR / General Biology. Individual Development.
Transplantation and Symphysis.

B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14402

than controls and they possessed normal reproductive function ability. In their appearance the lambs could not be distinguished from monogenetic control lambs. When ewes which were raised from experimental animals were interbred, lambs of an unusual appearance were bred. When interbreed transplantations of zygotes were repeated the authors did not succeed in determining the effect of the recipient mother upon the development of the embryo except for the fact that experimental lambs developed better. --
L. D. Liozner

Card 2/2

36

Country : USSR
 CATEGORY : Farm Animals. Sheep
 AB3. JOUR. : RZBiol., No. 13, 1958, No. 59550
 AUTHOR : Lopyrin, A. I.; Loginova, N. V.
 INST. : All-Union Academy of Agricultural Sciences*
 TITLE : Experimental Study of the Influence of the
 Quality of Semen upon the Viability of Off-
 spring in Sheep
 ORIG. PUB. : Dokl. VASKhNIL, 1957, No 5, 40-43
 ABSTRACT : Experiments were carried out on 45 Merino
 sheep which after 28-30 hours following the
 start of heat were subjected to laparotomy
 while 0.1 mg. of diluted semen was intro-
 duced into one or into both oviducts. If the
 ovulation was already accomplished, then the
 semen was introduced into the infundibulum
 tubae uterinae, and if the ripe follicles
 had not yet opened, into the horn of the
 uterus. As a result of the experiment, 14

* imeni Lenin

CARD: 1/3

COUNTRY : USSR
 CATEGORY : Farm Animals. Sheep
 ABS. JOUR. : RZBiol., No. 13, 1958, No. 59550
 AUTHOR :
 INST. :
 TITLE :

ORIG. PUB. :

ABSTRACT : ewes (31%) lambed. Out of 15 lambs obtained,
 cont'd. 5 were non-viable. After two days, four ewes
 were again operated upon for removal of the
 oviducts. In the process, breaking down zy-
 gotes were found in the lavage liquid, which
 was proof that fertilization took place. The
 subsequent experiment on intra-uterine inse-
 mination, carried out with cooled semen in
 which presumably only the most viable sper-

CARD: 2/3

Q - 42

Country : USSR
CATEGORY : Farm Animals. Sheep

Q

ABST. JOUR. : RZBiol., No. 13, 1958, No. 59550

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : matzoza took place, produced a positive re-
cont'd. sult. Out of five inseminated ewes, four
were fertilized (80%).-- V. V. Polovtseva

CARD: 3/3

Country : USSR
 CATEGORY : Farm Animals. Sheep
 ABS. JOUR. : RZBiol., No. 13, 1958, No. 59555
 AUTHOR : Lopyrin, A. I.; Donskaya, V. I.; Kastornova,*
 INST. :
 TITLE : Fertilization of Sheep under Different
 Methods of Twofold Insemination
 ORIG. PUB. : Ovtsevodstvo, 1957, No 9, 19-21
 ABSTRACT : On the basis of two-year experimentation, it
 is recommended to effect the second insemi-
 nation (during the same heat period) not
 after 24 but after 8 hours.

* Ye. K.

CARD: 1/1

LOPYRIN, A. I., BUTARIN, N. S., LOGINOVA, A. I., GIGINEYSHVILI, N. S.,
RAKHIMOV, A. A.

"An attempt making creative use of the Mithshurin method of remote
hybridization for the purpose of the selection of agricultural animals."

reported at Conference on Problem of Heredity and Variability, held at
Institute of Genetics, AS USSR, 8-14 Oct 1957
Vestnik AN SSSR, 1958, Vol. 28, No. 1, pp. 127-129 (author Kushner, Kh. F.)

LOPYRIN, A.I.; LOGINOVA, N.V.; YARNYKH, A.M., red.; DEYEVA, V.M., tekhn.
red.

[Artificial insemination of sheep] Iskusstvennoe osemenenie ovets.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 189 p. (MIRA 14:12)
(Artificial insemination) (Sheep)

LOPYRIN, A.I., doktor biologicheskikh nauk

Controlling sterility in sheep. Zhivotnovodstvo 23 no.6:17-24
Je '61. (MIRA 16:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ovtsevodstva
i kozovodstva.

(Sterility in animals) (Sheep)

LOFYRIN, A. I.

"Reproductive biology of the north Caucasus merino sheep."

report submitted to 5th Intl Cong, Animal Reproduction & Artificial Insemination,
Trent, Italy, 6-13 Sep 64.

LORAMASHVILI, I.N., inzh.; LITVAK, A.M., inzh.

Mobile structures to be used on construction sites. Gor.khos.
Mosk. 32 no.8:32-33 Ag '58. (MIRA 11:9)
(Automobile--Trailers) (Motorbuses)

PONOMAREVA, N.A.; NECHAYEVA, A.S.; DURASOVA, M.N. [deceased]; NIKITENKO, A.A.;
LORAN, I.D.; DUBOVA, V.A.

Significance and production of individual fractions of sera of im-
munized animals. Nauch. osn. proizv. bakt. prep. 10:220-225 '61.
(MIRA 18:7)

1. Moskovskiy institut vaktsin i syvorotok im. Mechnikova.